



**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**LISTING OF CLAIMS:**

1. (Currently Amended): A method of making a catalyst [[including]]  
comprising the steps of:
  - mixing
    - 1) an alcohol;
    - 2) a titanium alkoxide; and
    - 3) a binderin the presence of a catalytic acid to form a first mixture
  - heating the first mixture at a temperature at least equal to 100°C for at least 2 hours to form a second mixture; and
  - calcinating the second mixture at a temperature of at least equal to 450 °C for at least 2 hours.
2. (Original): The method of Claim 1, wherein the alcohol is selected from the group consisting of isopropanol and ethanol.
3. (Original): The method of Claim 1, wherein the titanium alkoxide is selected from the group consisting of titanium isopropoxide and titanium butoxide.

4. (Original): The method of Claim 1, wherein the binder is selected from the group consisting of polyethylene 200, polyethylene 400, polyethylene 600 and a mixture of tetraethoxysilane and water.
5. (Original): The method of Claim 1, wherein the ratio of alcohol : titanium alkoxide : binder is about 1:12:10 to 1:20:10.
6. (Currently Amended): The method of Claim 1, wherein said catalytic acid is selected from the group consisting of concentrated hydrochloric acid and concentrated nitric acid.
7. (Original): The method of Claim 1, wherein the catalytic acid is in an amount of 1.3 to 3.6 weight percent with respect to the titanium alkoxide.
8. (Previously Presented): A catalyst manufactured by the method of Claim 1.
9. (Previously Presented): A catalyst manufactured by the method of Claim 2.
10. (Previously Presented): A catalyst manufactured by the method of Claim 3.
11. (Previously Presented): A catalyst manufactured by the method of Claim 4.
12. (Previously Presented): A catalyst manufactured by the method of Claim 5.

13. (Previously Presented): A catalyst manufactured by the method of Claim 6.
14. (Previously Presented): A catalyst manufactured by the method of Claim 7.